



Graphical Facility Information Center

GraFIC™ – storage & facility management made easy

The **Graphical Facility Information Center (GraFIC)** is an information system that provides an inexpensive and flexible method of remotely verifying complete “up-to-the-minute” inventory status of all stored items and facility assets. GraFIC puts the information needed by Facility Managers at their fingertips.

Some of the features of GraFIC follow:

- Inventory confirmation on demand
- Real-time alarm notifications
- Hierarchical view of facility status and assets
- Archival storage and retrieval of inventory and facility data
- Linking of procedures, drawings, and assets to associated facility areas
- Pre-planned or ad-hoc movement of stored items
- Automated verification of compliance with storage restrictions
- Easy customization and update of configuration information
- Many built-in reports that can be viewed on-screen or printed
- Ability to interface with various sensor and information systems.

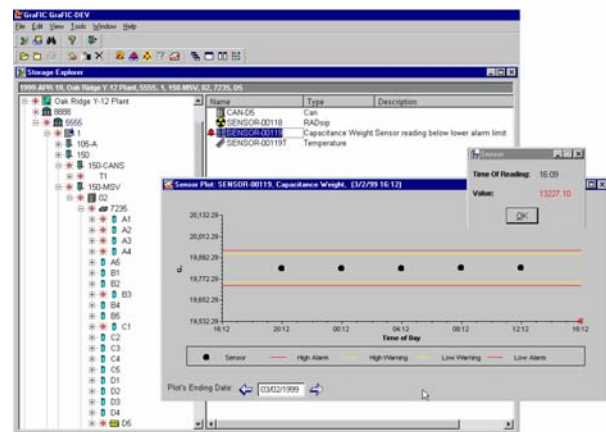
GraFIC combines an easy-to-use graphical user interface with extensive online help. GraFIC may be configured to work with the existing hardware (sensor systems, etc.) used to monitor your facility assets.

Features

GraFIC contains a Storage Explorer that provides a quick view of facility status. Storage areas and stored items are displayed in an intuitive tree-structured display. Icons provide a quick view into the status of alarms and the availability of storage space at any level. Users with the appropriate privileges can select any level or item for viewing, reporting, and/or editing.

GraFIC collects inventory data by obtaining sensor readings. Warning and alarm limits are automatically calculated from initial sensor readings using statistical computations. GraFIC provides real-time notification of any subsequent sensor readings that fall outside the established normal parameters.

GraFIC allows you to pre-plan movement of stored items. Pre-planning ensures that storage space for the moved items will be available, confirms that no storage restrictions will be violated as a result of the move, and provides a record of such moves. Items to be moved are specified using simple cut-and-paste or drag-and-drop operations. The pre-planning operation results in a printed move plan listing the items to be moved and the order in which the moves should take place. You may then download this plan to a barcode reader which will guide the mover and record the actual moves. After the planned moves have been completed, you may upload the results (items moved and their new locations) to GraFIC from the barcode reader and print a move report, which documents the moves. GraFIC displays are automatically updated to show the new locations of the moved items.



View current system status and recent trends



Quickly determine the location and status of facility assets

including Microsoft Excel and HTML. Both current and historical data may be queried, allow you to answer questions such as "Was item X in storage last month?" or "What items were stored in location Y over the past year?" The system can easily be configured to access facility information that is held in other existing databases.

GraFIC provides many built-in reports to allow you to track current inventory, inventory over time, alarm events, use of tamper indicating devices, etc. These reports are displayed on-screen and may also be printed. In addition, since the GraFIC information is stored in an Oracle database, you may use commercial products to provide ad-hoc queries and reports.

GraFIC is highly configurable by the user, allowing you to define and maintain the configuration, to precisely model your facility.

A GraFIC map contains icons representing facility assets. Using map editing tools you may position the icons to accurately reflect their actual locations. An icon's visible state changes as the real-world asset's monitored status changes. Most tools available from the Storage Explorer may also be invoked from the map.

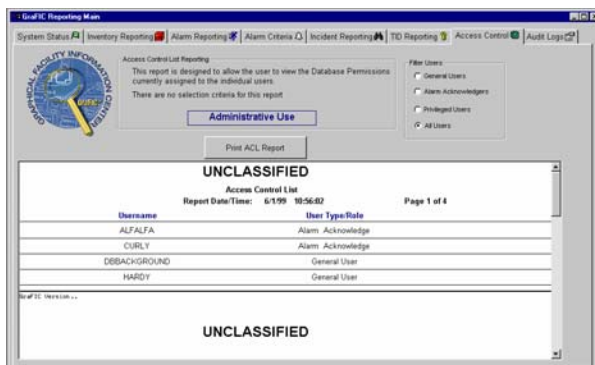
GraFIC provides several other features that assist in the management of facilities. These features include a drawing editor, a space planning tool, an online document storage and retrieval tool, and an ad-hoc query tool. Documents of many types may be stored and viewed, including text documents, word processing documents, PDF files, iPIX pictures, and others. The results of ad-hoc queries may be viewed on-screen, printed, or exported in several formats,



Easily select from built-in reports and enter selection criteria

Security

The GraFIC application is built on a multi-tiered security model. GraFIC users fall into several categories, and the features available to each user depend on the user's category. Since the security model is implemented using Oracle roles, this protection is enforced when software products other than GraFIC are used to access GraFIC data.



User roles determine access rights to GraFIC data

The GraFIC application also enforces a *two-person rule* for some updates of facility configuration and administrative data and for alarm acknowledgement. Under this rule, two users holding the appropriate role must be logged on when updates and acknowledgements are entered. All acknowledgements and updates are logged to provide an audit trail, which may only be reviewed and cleared by administrative users.

If network security measures are required, the Oracle Advanced Security package may be employed. This package provides a comprehensive suite of security features to protect enterprise networks and securely extend corporate networks to the Internet.

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